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NOTICE OF ALLOWANCE AND FEE(S) DUE

23122

7500

06/25/2010

RATNERPRESTIA P.O. BOX 980 VALLEY FORGE, PA 19482

EXAMINER					
CHOW, LIXI					
ART UNIT	PAPER NUMBER				

2627 DATE MAILED: 06/25/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/550,539	09/22/2005	Yoshiaki Komma	MTS-3563US	5417

TITLE OF INVENTION: OPTICAL PICKUP DRIVING APPARATUS AND OPTICAL PICKUP BEAM SPOT POSITIONING METHOD

L	APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
	nonprovisional	NO	\$1510	\$300	\$0	\$1810	09/27/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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appropriate. All further	correspondence includired below or directed oth	g the Patent, advance or	rders and notification of n	naintenance fees wil	ll be mailed	to the current	correspondence address as rate "FEE ADDRESS" for
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							(Signature)
							(Date)
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nonprovisional	NO	\$1510	\$300	\$0		\$1810	09/27/2010
EXAM	INER	ART UNIT	CLASS-SUBCLASS				
CHOW	, LIXI	2627	369-044250				
"Fee Address" indi PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A		'Indication form ed. Use of a Customer A TO BE PRINTED ON T	(1) the names of up to or agents OR, alternativ (2) the name of a single registered attorney or a 2 registered patent attor listed, no name will be	rely, e firm (having as a r gent) and the names rneys or agents. If no printed.	member a s of up to o name is	12 3	
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	s SMALL ENTITY statu	is. See 37 CFR 1.27.	b. Applicant is no long	-			
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This collection of informa an application. Confident submitting the completed this form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223	ation is required by 37 C iality is governed by 35 I application form to the ons for reducing this but irginia 22313-1450. DC 13-1450.	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to th ONOT SEND FEES OR (on is required to obtain or r 1.14. This collection is est depending upon the indiv e Chief Information Office COMPLETED FORMS TO	etain a benefit by the imated to take 12 m idual case. Any con r, U.S. Patent and T D THIS ADDRESS.	e public whi inutes to co ments on the rademark C SEND TO:	ich is to file (and mplete, includin he amount of tin office, U.S. Depa Commissioner	by the USPTO to process) g gathering, preparing, and ne you require to complete utment of Commerce, P.O. For Patents, P.O. Box 1450,

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23122 75	90 06/25/2010		EXAM	INER	
RATNERPRESTIA			CHOW, LIXI		
P.O. BOX 980	D. 1010		ART UNIT	PAPER NUMBER	
VALLEY FORGE	, PA 19482		2627		
			DATE MAILED: 06/25/201	0	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 841 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 841 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)		
	10/550.539	KOMMA ET AL.		
Notice of Allowability	Examiner	Art Unit		
	LIXI CHOW	2627		
	LIXI CHOVV	2021		
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate commits (IGHTS). This application is	n this application. If not included unication will be mailed in due coul	rse. THIS	
1. This communication is responsive to <u>reply filed 06/16/10</u> .				
2. \boxtimes The allowed claim(s) is/are <u>1, 3-16, 17, 19-28 and 30-32 (r</u>	now renumbered as (1-29).			
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 		or (f).		
Certified copies of the priority documents have	been received in Applicati	on No		
Copies of the certified copies of the priority do	cuments have been receive	ed in this national stage application	from the	
International Bureau (PCT Rule 17.2(a)).				
* Certified copies not received:				
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the require	ements	
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			CE OF	
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.			
(a) \square including changes required by the Notice of Draftspers	son's Patent Drawing Revie	w (PTO-948) attached		
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date				
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment o	r in the Office action of		
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			k) of	
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			the	
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5 🗖 Notice of I	nformal Patent Application		
 Notice of References Cited (PTO-092) Dotice of Draftperson's Patent Drawing Review (PTO-948) 		Summary (PTO-413),		
,	Paper No.	/Mail Date		
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	7. ∐ Examiner's	Amendment/Comment		
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 8. ☑ Examiner's Statement of Reasons for Allov				
	9. 🗌 Other	_·		
/Lixi Chow/				
Primary Examiner, Art Unit 2627				

Allowable Subject Matter

Regarding claim 1, none of the reference of record alone or in combination discloses or suggests an optical pickup driving apparatus for focusing an optical spot on a single-layer recording surface or a plurality of multi-layered recording surfaces of an optical information recording medium, comprising:

moving means of moving an objective lens for focusing said optical spot on said recording surface of said optical information recording medium in a direction of the optical axis of said optical spot; and

control means of controlling said moving means based on a voltage of a focus error signal based on reflected light from said optical spot,

wherein said control means controls said moving means so that said moving means moves said objective lens toward said recording surface, and when said control means detects that the voltage of said focus error signal has reached a first slice level voltage corresponding to displacement of predetermined magnitude from a reference potential, said moving means moves said objective lens toward said recording surface by a maximum of an upper limit of a predetermined amount of movement, and when the amount of movement of said objective lens has reached said predetermined amount of movement, said moving means moves said objective lens away from said recording surface, and

when said control means newly detects that the voltage of said focus error signal has reached a second slice level voltage corresponding to displacement of predetermined magnitude from said reference potential before the amount of

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movement of said objective lens reaches said predetermined amount of movement, said control means controls beam spot positioning so as to focus the optical spot.

Claim 17 recites similar limitations as claim 1; and claims 3-16, 19-28 and 30-32 depend from claims 1 or 7. Accordingly, claims 1, 3-17, 19-28 and 30-32 are allowed.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LIXI CHOW whose telephone number is (571)272-7571. The examiner can normally be reached on Mon-Fri, 8:30am to 6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wayne Young can be reached on 571-272-7582. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Lixi Chow/ Primary Examiner, Art Unit 2627